



QRev Discharge Measurement Report

1 of 4

Station Name: 08292024_Krumbo

Station Number:

Measurement Date: 2024.08.29

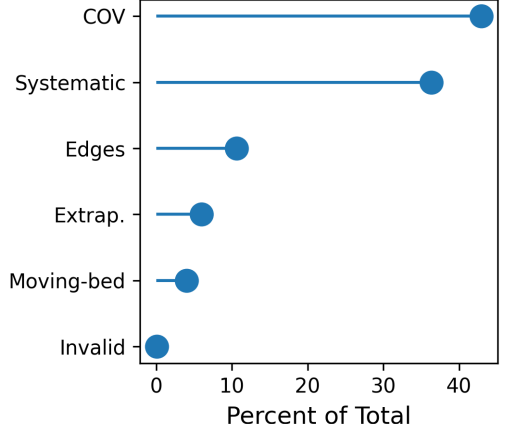
Measurement Number: 0

Discharge: 49.88

Stage: 0.00

User Rating: Not Rated

Processed: 2024.09.02 12:41:13

Field Crew:		Discharge Summary		Cross Section	
Processed By:	sarah	Discharge (ft3/s):	49.88	Mean Velocity (ft/s):	0.803
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	2.510
Version:	4.37	Total Duration (s):	918.0	Mean Depth (ft):	2.638
ADCP		Start Time:	13:12:29	Max. Depth (ft):	3.635
Manufacturer:	TRDI	End Time:	13:27:28	Width (ft):	23.560
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	1.01
Serial Number:	2673	Stage End:	0.00	Area (ft2):	62.145
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	2.23
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.101	Uncertainty	
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev	
W. Temp. (C):	15.2	Bottom Extrap:	No Slip	95% Total Uncertainty: 5.0 	
W. Temp. ADCP (C):		Extrap Exponent:	0.1667		
System Test:	Passed	Discharg COV (%):	2.05		
Compass Cal/Eval:	1.65	Top Q (%):	13.97		
Magnetic Variaton:	13.5	Measured Q (%):	68.40		
MovBed Test Type:	Loop	Left Q (%):	2.81		
MovBed Test Quality:	Warnings	Right Q (%):	2.61		
MovBed Test Dur.(s):	308.9	Bottom Q (%):	12.21		
Max MovBed (%):	0.17	Invalid Cells Q (%):	0.19		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	0.59		

Automated QA Messages:

WARNINGS

- TEMPERATURE: The difference between ADCP and reference is > 2: 3.0 C;

Cautions

- Compass: Evaluation result > 1 deg;
- Edges: Excessive boat movement in edge ensembles;
- Moving-Bed Test: The moving-bed test(s) has warnings, please review tests to determine validity;
- Moving-Bed Test: Loop test used but compass calibration is caution
- Site Info: Station number not entered;
- Edges: User modified right edge distance.

Comments:

- MMT Remarks:



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Comments:

- [Main, 2024-09-02 12:34:07, sarah]: Compass calibration less than 2 degree metric. Low water causing some uncontrollable boat movements at edges. Problems with zero bins on edges even after cleaning transect, could be due to some missed algae or vegetation pieces in the water column. No moving bed, issue stemming from zero bin problem. ADCP reading consistently higher than reference temperature.
- [Main, 2024-09-02 12:37:25, sarah]: No station number for this site.
- [2024-09-02 12:41:09, sarah]: File Saved Q = 49.88 ft³/s (Uncertainty: 5.0%)

ID	File Name
6	08292024_Krumbo_0_006_24-08-29.PD0
7	08292024_Krumbo_0_007_24-08-29.PD0
8	08292024_Krumbo_0_008_24-08-29.PD0
10	08292024_Krumbo_0_010_24-08-29.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft3/s)	Middle	Bottom	Left Q (ft3/s)	Right Q (ft3/s)	Total Q (ft3/s)
						Q (ft3/s)	Q (ft3/s)			
6	Left	13:12:29	13:16:13	224.4	6.61	34.52	5.3	1.25	1.35	49.04
7	Right	13:16:36	13:20:12	215.4	6.81	34.48	6.47	1.28	0.88	49.92
8	Left	13:20:29	13:24:54	264.5	7.0	34.5	6.31	1.64	1.86	51.31
10	Right	13:27:28	13:31:02	213.7	7.46	32.97	6.29	1.43	1.11	49.26
				918.0	6.97	34.12	6.09	1.4	1.3	49.88

Transect ID	Start Edge	Left Edge Type	Left Dist. (ft)	Left Edge # Ens.	Left Edge Coeff.	Right Edge Type	Right Dist. (ft)	Right Edge # Ens.	Right Edge Coeff.
6	Left	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535
7	Right	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535
8	Left	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535
10	Right	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535



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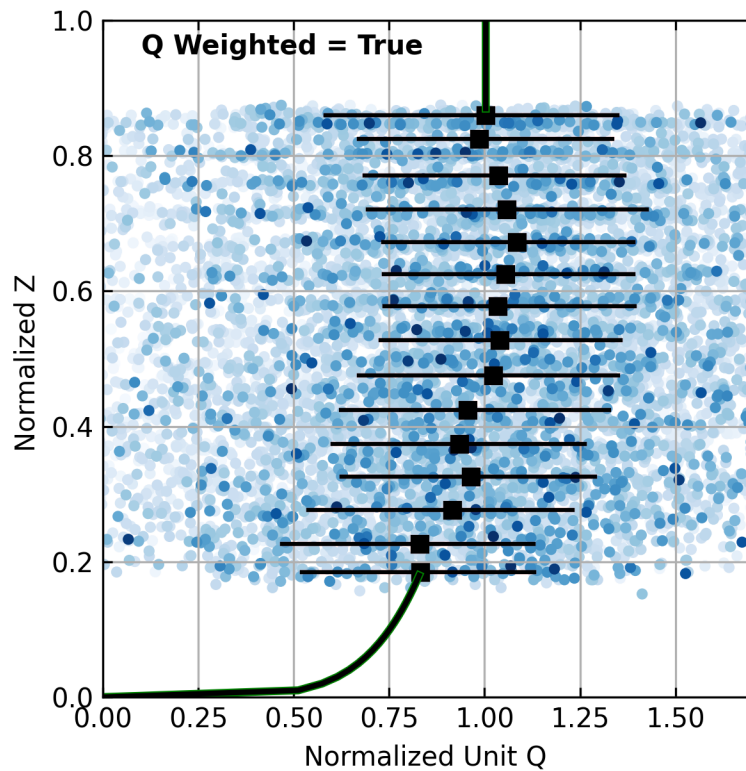
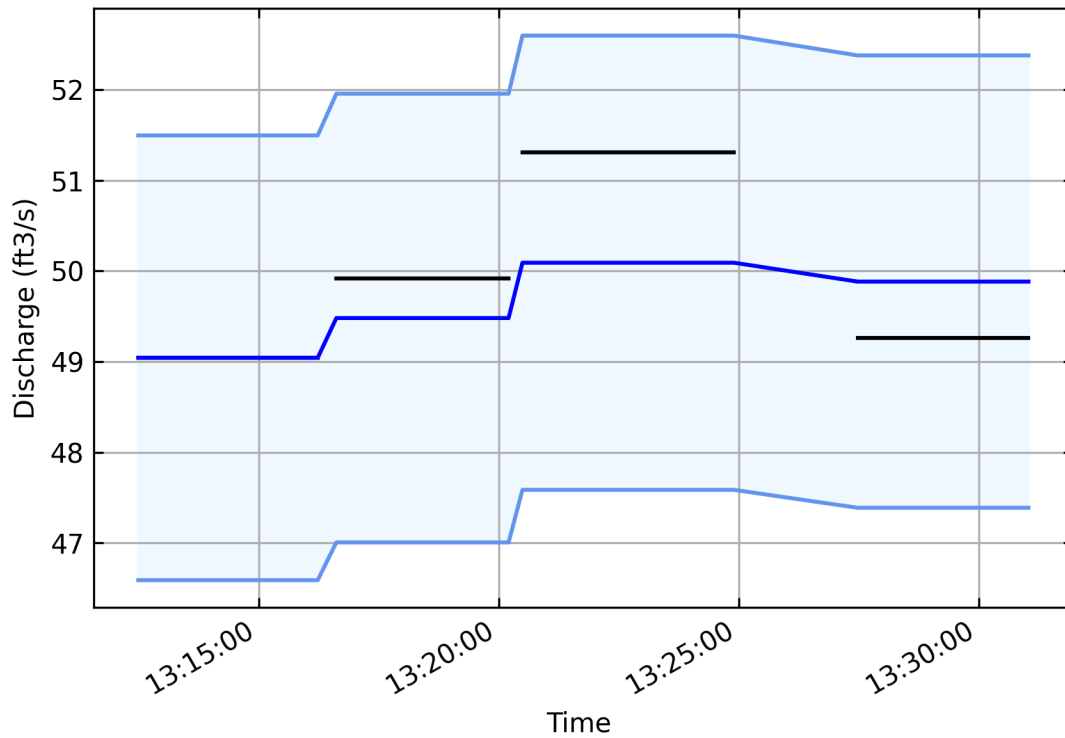
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